

NETWORK INTERFACE APPLICATION SPECIFIC INTEGRATED CIRCUIT
TO ALLOW DIRECT ATTACHMENT FOR
AN APPLIANCE, SUCH AS A PRINTER DEVICE

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ABSTRACT OF THE DISCLOSURE

10 An application specific integrated circuit (ASIC) allows an appliance,
such as a printer device, to be directly attached to a network. The ASIC includes
state machines and on-chip storage buffers that perform functions typically
performed by processors, memory, and embedded internal software. The state
machines process protocols and cooperate with other components of the ASIC to
identify a source/destination of data and to throughput the data through the ASIC.

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